

Title (en)
MODULAR HANDHELD ELECTRIC TOOL SYSTEM

Title (de)
MODULARES HANDGEFÜHRTES ELEKTROWERKZEUGSYSTEM

Title (fr)
SYSTÈME D'OUTIL ÉLECTRIQUE PORTATIF MODULAIRE

Publication
EP 3638444 B1 20240313 (EN)

Application
EP 18817188 A 20180614

Priority
• HK 17105913 A 20170614
• CN 2018091303 W 20180614

Abstract (en)
[origin: WO2018228484A1] A modular handheld electric tool system comprises a handle, a motor module and a tool head. The handle includes a handle housing with an elongate portion configured to provide a grip, a handle electrical coupling on the handle housing, a circuit including a tool switch in the handle housing, the tool switch connected between a power supply and the handle electrical coupling. The motor module including a motor casing that holds an electric motor, a motor electrical coupling on the motor casing that is complementary to the handle electrical coupling and electrically connected to the electric motor, and a rotary output mounted to the motor casing and driven by the electric motor. At least one tool head is releasably attachable both to the motor module via a tool-less tool-head-to-motor mechanical coupling, and to the handle via a tool-less tool-head-to-handle mechanical coupling, the tool head including an accessory and tool body wherein, to supply torque to the accessory from the electric motor, a rotary input mounted to the tool body engages the rotary output of the motor module.

IPC 8 full level
B25F 3/00 (2006.01); **B25F 5/02** (2006.01)

CPC (source: EP US)
B23D 49/162 (2013.01 - US); **B25F 3/00** (2013.01 - EP US); **B25F 5/02** (2013.01 - EP US)

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DOCDB simple family (publication)
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